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File: EPAB

May 23, 1996

PUB-NO: WO009615631A1

DOCUMENT-IDENTIFIER: WO 9615631 A1

TITLE: METHODS AND APPARATUS FOR ZOOMING DURING CAPTURE AND REPRODUCTION OF 3-

DIMENSIONAL IMAGES

PUBN-DATE: May 23, 1996

INVENTOR-INFORMATION:

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SYNTHONICS INC

APPL-NO: US09514414

APPL-DATE: November 9, 1995

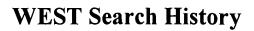
PRIORITY-DATA: US33915694A (November 10, 1994), US48355295A (June 7, 1995)

INT-CL (IPC): <u>H04</u> N <u>13/00</u> EUR-CL (EPC): H04N013/00

ABSTRACT:

CHG DATE=19990617 STATUS=0>In the capture and display of three dimensional images, techniques are provided for controlling the amount of disparity between left and right images used to create a three dimensional representation to permit three dimensional perception which would otherwise be lost as disparity increased beyond psychological and physiological limits. Both mechanical (470) and electronic means (520) for controlling disparity are shown. Techniques are disclosed for creating three dimensional animations which utilize disparity control for adjusting the perceived depth of an object vis-a-vis a neutral plane. When zooming in on an object with a stereo camera pair, the shift is in focal length accompanying the zoom is accompanied by a simultaneous shift in disparity so that the stereo effect it not lost when a target object is very close, a moderate distance, or very far from the cameras.

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DATE: Sunday, July 04, 2004

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$DB = PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; \ PLUR = YES; \ OP = ADJ$			
	L14	L2 and left near image	. 2
	L13	L11 and camera	7
	L12	L11 and camera near7 offset	2
	L11	L9 and stereo\$	7
	L10	L9 and (((adjust\$ or position\$) near7 camera) same offset\$)	2
	L9	((control\$ or adjust\$) near9 neutral plane)	47
	L8	L1 and ((adjust\$ or manipulat\$) near9 neutral plane)	2
	L7	(stereo\$ near5 image) and (((adjust\$ or manipulat\$ or control\$) near9 neutral plane) same (gui or graphical user interface))	0
	L6	L1 and icon	0
	L5	L1 and graphical user interface	0
	L4	L2 and graphical user interface	0
	L3	L2 and user near9 control\$	1
	L2	L1 and (offset\$ near7 camera)	2
	L1	(stereo\$ near5 image) and ((adjust\$ or manipulat\$ or control\$) near9 neutral plane)	6

END OF SEARCH HISTORY